

RECENT ENTOMOLOGICAL LITERATURE.

Asterisks indicate descriptions of new species of American insects, or of new genera.

PERIODICALS CITED.

- 4 The Canadian Entomologist, London, Ont.
- 5 Entomological News, Philadelphia.
- 10 Nature, London, Eng.
- 11 The Annals and Magazine of Natural History, London, Eng.
- 46 Tijdschrift voor Entomologie, The Hague.
- 65 La Feuille des Jeunes Naturalistes, Paris.
- 68 Science, N. Y. City.
- 73 Archives de Zoologie Experimentale et Générale, Paris.
- 102 Proceedings of the Entomological Society of Washington (D.C.).
- 140 Biological Bulletin, Woods Hole, Mass.
- 141 The Ohio Naturalist, Columbus, O.
- 142 Invertebrata Pacifica.
- 143 Biometrika, Cambridge, Eng.
- 144 American Museum Journal, N. Y. City.
- 145 Annals of the South African Museum; printed in London, Eng.
- 146 Annales des Sciences Naturelles: Zoologie, Paris.

THE GENERAL SUBJECT.

- Aldrich, J. M.** Jocular entomology (nomenclature), 4 Mar.
- Anon.** Benjamin Franklin Koons (obit.), 5 Mar.
- Anon.** [Am. Mus. Nat. Hist.] Department of Entomology: Expedition of 1903, 144 Jan.
- Anon.** Dr. John Herbert Sangster (biog.), 4 Mar.
- Anon.** Some Extraordinary Ants [gynandromorphs], 144 Jan.
- Anon.** Tariff on insects, 5 Mar.
- Banks, N.** Notes on entomology, 68 Mar. 18.
- B(ethune), C. J. S.** John Alston Moffat (obit.), 4 Mar.
- Brainerd, Dwight.** Miscellaneous notes (inflation of caterpillars, etc).
- 4 Feb.**
- Castle, W. E.** Sex determination in bees and ants, 68 Mar. 4.

- di Cesnola, A. P. Preliminary note on the protective value of colour in *Mantis religiosa*, 143 Jan.
- Cockerell, T. D. A. Southwestern geographical names, 5 Jan.
- Conradi, A. F. Variations in the protective value of the odoriferous secretions of some *Heteroptera*, 68 Mar. 4.
- Currie, R. P. An insect collecting trip to British Columbia, 102 VI., 24.
- Girault, A. A. Standards of the number of eggs laid by insects ii, 5 Jan.
- Goury, G., et Guignon, J. Les insectes parasites des Renonculacées, 65 Mar.
- Hickson, S. J. Another attack upon Darwinism [Criticism of Piepers, Mimicry, *Selektion, Darwinismus*], 10 Mar. 17.
- Howard, L. O. Sending insects through the mails, 5 Jan.
- Jones, F. M. Pitcher-plant insects, 5 Jan.
- Kellogg, V. L. Amitosis in the egg follicle cells of insects, 68 Mar. 4.
- Kirkland, A. H. The entomological club of the A. A. A. S., 4 Feb.
- M'Intosh, Prof. On the distribution of marine animals, 11 Feb.
- Metalnikoff, S. Sur un procédé nouveau pour faire des coupes microscopiques dans les animaux pourvus d'un tégument chitineux épais, 73 tome second, No. 4.
- Montgomery, T. H. Some observations and considerations upon the maturation phenomena of the germ cells. (refs. to *Peripatus* and various Hemiptera), 140 Feb.
- Voinov, D. N. Sur une disposition spéciale de la chromatine dans la spermatogénèse du *Gryllus campestris*, reproduisant des structures observées seulement dans l'ovogénèse, 73 tome second, No. 4.
- Webster, F. M. Diffusion of the hawk-moths in North America. 4 Mar.
- Wilcox, E. V. The entomological club of the A. A. A. S., 4 Mar.

ECONOMIC ENTOMOLOGY.

- Burgess, A. F. Notes on the introduction of the Asiatic ladybird (*Chilocorus similis*) in Ohio, 141 Jan.

Hewlett, R. T. The Campaign against Malaria, 10 Mar. 17.

- Melander, A. L. Destructive beetles: a note on landscape gardening, 5 Jan.

ARACHNIDA.

- Hartmann, C. Variability in the number of teeth on the claws of spiders, showing their unreliability for systematic description, 140 Mar.

Hogg, H. R. On a new genus of spiders from Bounty Id., with remarks on a species from New Zealand.* (*Pacificana*, n. g. Agalenidae), 11 Jan.

Oudemans, A. C. Notes on *Acari* (Classification, *Parasitidae*, *Ixodidae*, *Thomomidae*, *Labidostomidae*, *Acaridae*), 46 XLVI., 93, pls. 11-13.

Pickard-Cambridge, Rev. O. Descriptions of some new species, and characters of three new genera, of *Araneida* from South Africa* [genera *Caedmon*, *Moero*, *Lucrinus*], 145 III, pt. V.

Pocock, R. I. On a new stridulating organ in scorpions discovered by W. J. Burchell in Brazil in 1828, 11 Jan.

Thor, S. Recherches sur l'anatomie comparée des Acariens prostigmatiques, 146 XIX, No. 1.

ORTHOPTERA.

Caudell, A. N. An orthopterous leaf-roller, 102, VI., 46.

Caudell, A. N. Notes on some orthoptera from British Columbia, 5 Feb.

Houghton, C. O. An unusual injury by the snowy tree-cricket and notes on its feeding habits, 5 Feb.

Kirby, W. F. Notes on *Mantidae* in the collection of the British Museum, with description of new species.* (one sp. S. A.?), 11 Feb.

Mead, C. S. A list of the Orthoptera of Ohio, 141 Mar.

Rehn, J. A. G. A new *Melanoplus* from New Jersey,* 5 Mar.

See also under The General Subject: di Cesnola.

NEUROPTERA.

Banks, N. New species of *Hemerobius*,* 4 Mar.

Brimley, C. S. and Sherman F., Jr. North Carolina records of Odonata in 1903, 5 Mar.

HEMIPTERA.

Distant, W. L. Rhynchotal notes. *Capsidae*,* n. g., 11 Feb.

Girault, A. A. Miscellaneous notes on *Aphrophora parallelia*, 4 Feb.

Heidemann, O. Remarks on the genitalia of *Podiscus cynicus* Say and *P. bracteatus* Fitch, 102 VI., 9.

Osborn, H. A further contribution to the Hemipterous fauna of Ohio, 141 Mar.

Osborn, H. Note on a late form of *Phylloscelis*, 141 Feb.

Osborn, H. Note on morphology of certain clasping organs in the *Pediculidae*, 141 Mar.

Sanders, J. G. Three new Scale insects from Ohio,* 141 Feb.

See also under The General Subject: Conradi, M'Intosh, Montgomery.

COLEOPTERA.

Bourgeois, J. *Rhipiceridae* and *Malacodermata* from South Africa and Brazil,* 11 Feb.

Davis, W. T. A new beetle from New Jersey,* 5 Jan.

Dury, C. Notes on Coleoptera, 5 Feb.

Schwarz, E. A. The cotton-boll weevil in Cuba, 102 VI., 13.

Sherman, F., Jr. List of the *Cicindelidae* of North Carolina, with notes on the species, 5 Jan.

Wickham, H. F. Metamorphoses of *Aegialites*, 4 Mar.

See also Burgess and Melander, under Economic Entomology.

DIPTERA.

Baker, C. F. Reports on California and Nevadan Diptera, I., with description of new species by D. W. Coquillett,* 142 Feb. (Thirty new species and one new genus (*Zagonia*) are described.)

Baker, C. F. Two new Siphonaptera,* 142 Feb.

Barber, H. S. The occurrence of the earwig-fly, *Merope tuber* Newn., 102 VI., 50.

Coquillett, D. W. A brief history of North American Dipterology, 102 VI., 53.

Coquillett, D. W. Notes on *Culex nigrithulus*, 5 Feb.

Coquillett, D. W. Several new Diptera from North America,* 4 Jan.

Coquillett, D. W. The genera of the Dipterous family *Empidae* (addenda), 102 VI., 51.

Dyar, H. G. Notes on the Mosquitoes of British Columbia, 102, VI., 37.

Dyar, H. G. The larvae of the mosquitoes *Megarhinus rutilus* Coquillett and *M. portoricensis* Roeder, 102, VI., 20.

French, G. H. *Gastrophilus epilepsalis* larvae and epilepsy, 4 Mar.

Herrick, G. W. Notes on the life history of *Crabhamia jamaicensis*, 5 Mar.

Hine, J. S. New species of North American *Tabanidae*,* 4 Feb.

Hine, J. S. On Diptera of the family *Ephydriidae*, 141 Jan.

McCracken, I. *Anopheles* in California, with description of a new species,* 5 Jan.

Melander, A. L. Notes on North American *Stratiomyidae*,* (key to species), 4 Jan.

Melander, A. L. Notes on North American *Stratiomyidae*, ii, 4 Feb.

Osten Sacken. The order Diptera (note on habits), 4 Feb.

Smith, J. B. Notes on the life history of *Culex dupreei*, 5 Feb.

Villeneuve, Dr. Contribution au Catalogue des Diptères de France, I (*Bombyliinae, Anthracinae*), 65 Feb.

See also Hewlett, under Economic Entomology.

LEPIDOPTERA.

Anon. *Hypolimnas misippus*, 4 Feb.

Dyar, H. G. A Lepidopteron parasitic upon *Fulgoridae* in Japan, 102 VI., 19.

Dyar, H. G. A new genus and species of *Tortricidae* [*Gymnandrosoma*],* 102 VI., 60.

Dyar, H. G. A new variety of the noctuid *Exyra semicrocea*, 102 VI., 59.

Dyar, H. G. Description of the larva of *Ethmia zelleriella* Chamb., 102 VI., 3.

Dyar, H. G. Description of the larva of *Litodonta hydromeli* Harv., 102 VI., 3.

Dyar, H. G. *Halisidota maculata* Harris and its varieties, 102 VI., 19.

Dyar, H. G. New *Noctuidae* from British Columbia,* 4 Feb.

Dyar, H. G. New North American species of *Scoparia*,* 5 Feb.

Dyar, H. G. Note on the distribution of the red forms of *Diacrisia*, 102 VI., 18.

Dyar, H. G. *Taeniocampa communis*, 4 Mar.

Engel, H. Observations on *Bembecia marginata* var. *albicomata* and *Sesia acerni*, 5 Feb.

Fletcher, J. A new food-plant for the common spring blue, 4 Jan.

French, G. H. *Catocalae* in Dr. Holland's moth book, 4 Feb.

Grundel, J. G. Notes on the life history of *Chrysophanus gorgon*, 5 Mar.

Hoover, W. W. Notes on an elm-leaf case-bearer, *Coleophora limosipennella*, 5 Feb.

Kearfott, W. D. Micro-lepidoptera — Suggestions (mounting methods), 5 Mar.

Packard, A. S. The colossal silk-worm moths of the genera *Attacus* and *Rothschildia*, 5 Jan.

Packard, A. S. The young larva of *Arsenura richardsoni*, 4 Mar.

Plate: Butterflies by color-photography, 5 Jan.

See also, under The General Subject: Brainerd, Webster.

HYMENOPTERA.

Ashmead, W. H. Classification of the fossorial, predaceous and parasitic wasps, or the superfamily *Vespoidea*; no. 18, subf. *Ephutinae*,* n. g. 4 Jan.

Ashmead, W. H. Description of the type of the genus *Curriea*, 5 Jan.

Ashmead, W. H. Descriptions of four new horntails,* 4 Mar.

Caudell, A. N. Branched hairs of Hymenoptera, 102 VI., 5.

Cockerell, T. D. A. Records of American bees,* 4 Jan.

Cockerell, T. D. A. Some parasitic bees,* 11 Jan.

Cockerell, T. D. A. Two new bees,* 5 Jan.

Crawford, J. C., Jr. A new bee in the genus *Diphaglossa*,* 4 Feb.

Crawford, J. C., Jr. Two new *Halictus* from New Jersey,* 5 Mar.

Graenicher, S. Wisconsin Bees; genus *Andrena*,* 5 Feb.

Robertson, Chas. Synopsis of *Anthophila*, 4 Feb.

Swenk, M. H. Two new *Colletes* from Costa Rica,* 4 Mar.

Viereck, H. L. A handsome species of *Tachysphex* from Arizona,* 5 Mar.

Viereck H. L. *Thyreopus latipes*, 4 Feb.

Viereck, H. L. Two new species of the bee genus *Perdita* from Indiana and New Jersey,* 5 Jan.

See also under The General Subject: Anon., Castle.

PROCEEDINGS OF THE CLUB.

The Annual Meeting of the Cambridge Entomological Club was held in the Council room of the Boston Society of Natural History on the evening of January 19, 1904; President Morse in the chair; 17 members present. The record of the last meeting was read and accepted. Mr. Field presented a final report on the finances of the Harris Club. On motion of Mr. Newcomb it was voted to sell the library of the Harris Club at auction at the next meeting. The report of the Secretary for the year just closed was read and accepted. The report of the Treasurer was read, and the Chair appointed Messrs. Bolster and Bowditch to act as auditors. Mr. Samuel H. Scudder was unanimously elected to Life Membership in the Club. Mr. Hayward called attention to the fact that the Club's age was just thirty years and ten days, the first meeting having been held January 9, 1874.